

## APPENDIX:

Please amend the claims as follows:

1. (Amended) A method of processing a video stream, comprising:
  - (a) detecting a request to playback a particular frame; and
  - (b) determining whether a decoded version of the particular frame is in a decoded frame cache, and if it is not and if the particular frame has a frame dependency:
    - (i) determining a frame dependency for the particular frame;
    - (ii) determining which of the frames in the frame dependency are in the decoded frame cache;
    - (iii) decoding any frame in the frame dependency that is not in the decoded frame cache and placing it in the decoded frame cache; and
    - (iv) using at least [some] one of the decoded frames in the frame dependency to decode the particular frame to create a decoded version of the particular frame.
15. (Amended) An article comprising:

a computer readable medium having instructions thereon which when executed cause a computer to:

  - (a) detect a request to playback a particular frame; and
  - (b) determine whether a decoded version of the particular frame is in a decoded frame cache, and if it is not and if the particular frame has a frame dependency:
    - (i) determine a frame dependency for the particular frame;
    - (ii) determine which of the frames in the frame dependency are in the decoded frame cache;
    - (iii) decode any frame in the frame dependency that is not in the decoded frame cache and place it in the decoded frame cache; and
    - (iv) use at least [some] and of the decoded frames in the frame dependency to decode the particular frame to create a decoded version of the particular frame.
26. (Amended) A computer system including:

a processor and video processing circuitry;

a display; and

memory including instructions which when executed cause the processor and video processing circuitry to:

- (a) detect a request to playback a particular frame; and
- (b) determine whether a decoded version of the particular frame is in a decoded frame cache, and if it is not and if the particular frame has a frame dependency:
  - (i) determine a frame dependency for the particular frame;
  - (ii) determine which of the frames in the frame dependency are in the decoded frame cache;
  - (iii) decode any frame in the frame dependency that is not in the decoded frame cache and place it in the decoded frame cache; and
  - (iv) use at least [some] and of the decoded frames in the frame dependency to decode the particular frame to create a decoded version of the particular frame.
- (c) provide the decoded version of the particular frame for displaying on the display.